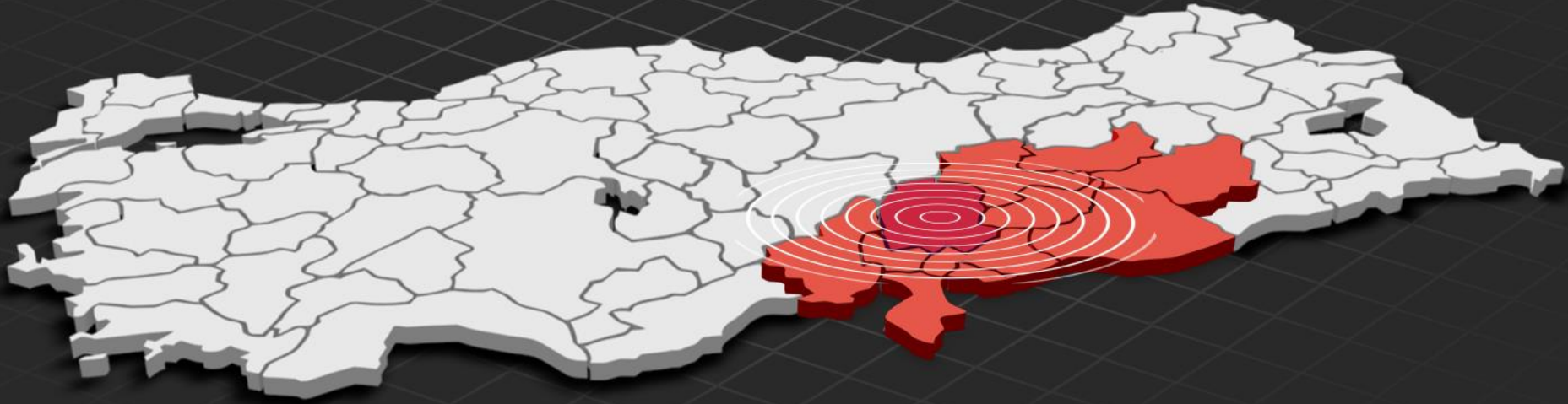


TURKISH STATISTICAL INSTITUTE (TURKSTAT)

KAHRAMANMARAŞ EARTHQUAKES

06.02.2023



OVERVIEW



**Measuring the
impact of
Kahramanmaraş
earthquakes**

**Data
compilation
and
data used**



**Visualization of
the data**

MEASURING THE IMPACT OF KAHRAMANMARAŞ EARTHQUAKES

7.7 Mw and **7.6** Mw

- The southern side of Türkiye was hit by two massive earthquakes with the moment magnitude 7.7 Mw and 7.6 Mw

It effected mainly
11 provinces which are

- Adana
- Adıyaman
- Diyarbakır
- Elazığ
- Gaziantep
- Hatay
- Malatya
- Kahramanmaraş
- Şanlıurfa
- Kilis
- Osmaniye

14 million **16.7%**

- The population affected by the earthquakes is **14** million which is about **16.7%** of the Türkiye's population

TURKSTAT

- In order to see the impact of the earthquakes, TURKSTAT started to bunch together all related statistics, so as to serve them to decision makers

DATA COMPILATION AND DATA USED

- We started with the data we already have. These were mainly administrative data of Ministries. The main data sources we use are;

Central Population Administration System (MERNIS) records,

Address Registration System data,

Spatial Address Registration System (MAKS) and National Address Database (UAVT) records,

Land registry, property and cadastral records,

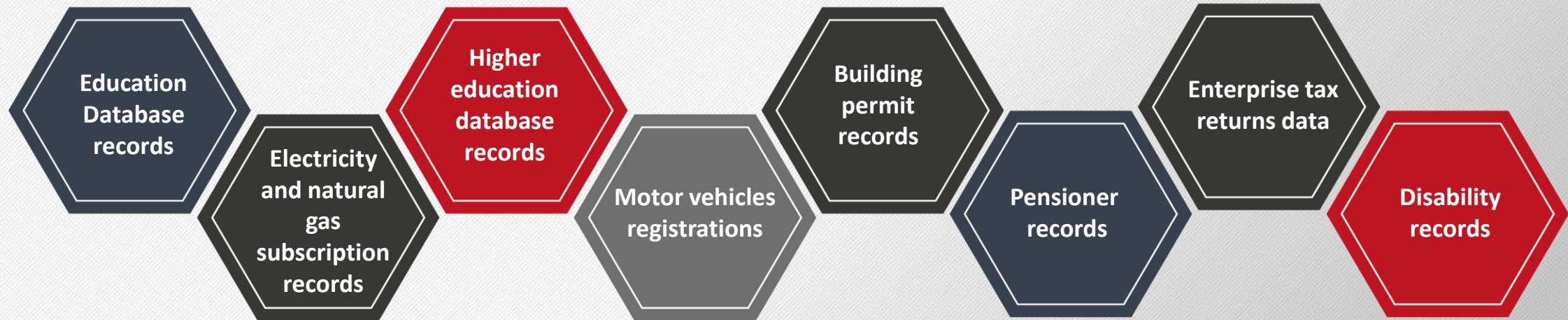
Registered employment data and Service Tracking Program (HİTAP) records,

Enterprise Information System records,

Payroll data,

Farmer Registration System (ÇKS) and Livestock Information System (HBS) data,

- There are also some other auxiliary data sources;



- With the data we have, we served too many information for the institutions so as to evaluate the effects of the earthquake . These are;



For industry;

- Structural economic variables,
- Annual industrial production,
- Import-debts / export- receivables of the enterprises,
- Employment,
- Issued invoices(after the earthquake/weekly),



For agriculture;

- Agricultural areas,
- Crop production,
- Livestock,



For building stock;

- Building data according to the damage status

- We compiled additional and timely data which is needed to see the movement of the population affected by the earthquake.
- The main point we focused was having a trace of the residents of the region after the earthquake.

Placement in student dorms

Placement to hotels and hostels

Departure from region by road, rail, maritime and air transport

Aid under supportive payment per household

Last location of registered mobile phones

Received from banks on the location of credit cards used

Location for fuel purchase of registered vehicles

Health services delivered by hospitals

Damage evaluation and records at the region

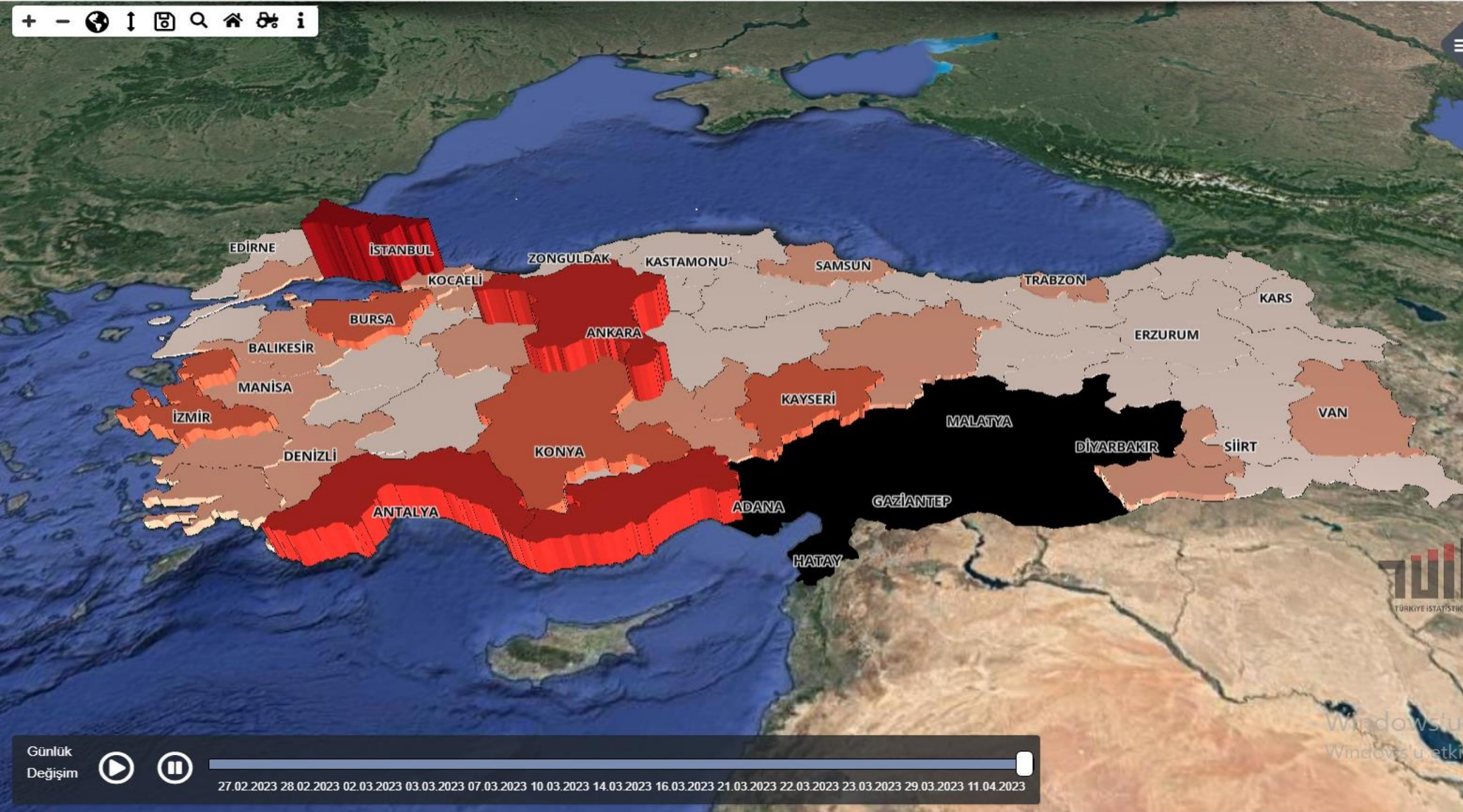


HOW DID WE VISUALIZE THE DATA

Göstergeler

- Dağılım
- Detaylı Dağılım
- Barınma
- Lokasyon ve Tahliye
- Tahliye
- Kredi Kartı Kullanımı
- Ziraat Bankası
- HTS
- Hastane
- Akaryakıt
- Hane Başı Destek Bilgileri
- Para Çeken Kişi Sayısı

Depremzede Sayıları

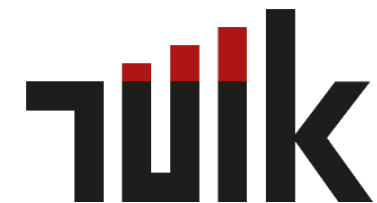


Günlük Değişim



27.02.2023 28.02.2023 02.03.2023 03.03.2023 07.03.2023 10.03.2023 14.03.2023 16.03.2023 21.03.2023 22.03.2023 23.03.2023 29.03.2023 11.04.2023

THANK YOU



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